Janus Phase 2 Deployment
Staging User Acceptance Test Plan

Description

System Title:	**WebSDM/Janus Staging User Acceptance Test Plan for Janus Phase 2 Deployment**
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Version History

Rev Number	Date	By	Description of Changes
1.0	11/14/2007	Mary Ferramosca	Initial Draft
2.0	11/16/2007	Sally Cassells	Revised section 3
3.0	12/6/2007	Bob Stephens	Editorial Changes

Review/Acceptance Table:

Person Reviewing/ Approving	Date	Comments
Sally Cassells (Lincoln Technologies)	12/06/2007	
Mary Ferramosca – Project Manager (IBM)	12/06/2007	
Eric Herbel (Integrated Clinical Systems)	12/06/2007	
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1. **Objectives and Scope**

The objective of this User Acceptance Test Plan is to describe the activities planned for FDA testing of the Integrated JANUS system prior to the launch of the FDA operational pilot. This work is part of the extension phase work for the Janus Phase 2 Deployment project funded by the NCI. This testing will occur in the staging environment and will be performed by FDA personnel.

The scope of functionality tested under this plan includes:

- o Loading of data through the FDA sftp folder and recovery of the load report.

- o User account creation

- o Testing of JReview functionality using the JANUS Materialized views

- o Testing of WebSDM functionality using the JANUS Materialized views

Details of the data loading test activities will closely follow the tasks described in the document titled "Use Case Model Survey for EDR-Janus Interface (SFTP Solutions), Updated 8/24/2007 (v6)."

2. **Assumptions, Exclusions, and Limitations**

The following limitations and assumptions apply to the planned User Acceptance Testing activities:

- JANUS loading test cases include both cases where the data is expected to successfully complete the full 'end-to-end' of the loading process and cases that demonstrate different aspects of the error handling functionality.

- For purposes of user testing of the actual JANUS loading, a smaller study will be used.

- The full JANUS staging area environment, including the WebSDM and JReview applications will have undergone an Operational Qualification test in the staging environment prior to the beginning of the User Acceptance Test.

- The goal of the User Acceptance Testing of these applications is the assurance that FDA reviewers will be able to use these applications using the JANUS materialized views as the data source.

- Data used for the User Acceptance testing is realistic but is not data from an actual FDA submission. This is due to the high severity of data errors encountered during the validation process that precluded loading actual data.

3. Roles and Responsibilities

The roles and responsibilities are as follows:

Role	Responsibilities
Combined Janus Development Team	Support FDA testing activities.
Terpsys	Maintain environment and provide trouble-shooting upon request from the IBM, Integrated Clinical Systems and Lincoln Technologies project teams as needed.
IBM Project Team	Responsible for the delivery of test documentation. Responsibility for troubleshooting JANUS loading activities as needed. Responsible for providing JANUS Materialized Views for all successfully loaded studies.
Integrated Clinical Systems Project Team	Provide UAT script(s) for testing JReview functionality using JANUS materialized views. Provide trouble-shooting for FDA reviewer(s) as needed while running the UAT Scripts.
Lincoln Technologies Project Team	Provide UAT script(s) for testing JANUS loading functions, User Account administration functions and WebSDM functionality using JANUS materialized views. Provide trouble-shooting for FDA users as needed while running UAT Scripts.
FDA	Run test scripts.

4. Entry Criteria

The system configuration required for the testing activities included in this plan are described in the JANUS Production Deployment Diagram.

Terpsys is responsible for configuration of this environment and for ensuring that all FDA testers have desktop computer access to the environment.

Before the system testing can begin, the following entry criteria need to be met:

- All system components have been installed in the Staging environment at the NCI. (the test environment).

- User access to the test environment has been established for everyone who will be deploying components and conducting tests.

- The Test Plan was reviewed by key stakeholders including the project managers from the FDA, IBM, Integrated Clinical Systems and Lincoln Technologies.

- Test data for the Load testing activities must be ready for copying into the test environment.

- Test data for scripted testing of the JReview and WebSDM applications must be loaded into the JANUS Materialized Views.

- A mechanism must be identified for generating Metadata*.xml files for each study to be loaded.

5. Exit Criteria

The criteria that must be achieved for system testing to be deemed complete are

- All tests outlined in this plan have been executed.

- All issues that are identified while running the test scripts are documented.

6. Testing Approach

6.1 Types of Tests

The User Acceptance tests encompass 5 Test Areas. The testing of the JReview and WebSDM applications using the JANUS Materialized Views includes scripted testing. The Testing of the Loading functionality includes both a scripted test of a successful load and a test script that encompasses cases that are expected to fail loading.

All of the loading tests will exercise the FDA's sftp folder.

6.2 Tools Employed

The following tools will be employed in execution of the System Test Scripts:

Internet Explorer, Notepad, SQL*Plus, WebSDM, JReview and WebEX

6.3 Test Cases, Test Scripts and Test Dependencies

Testing activities will include the following test areas. In each test area, there will be a master Test Script which will include one or more test cases.

The only test dependency between test scripts is that script 3 needs to be executed before scripts 4 and 5. The data to be used in the JANUS Materialized views for Test Areas 4 and 5 will be loaded as part of the test preparation activities described above.

No	Test Area
1.	Load a study into JANUS and review the Load Report.
2.	Load studies with known loading problems and review Load Reports.
3.	Test WebSDM/JReview User account creation.
4.	Test JReview Functionality with JANUS Materialized Views
5.	Test WebSDM Functionality with JANUS Materialized Views

6.4 Tracking Errors

Errors will be tracked directly in the Test Script documents and summarized in the Test Report.

6.5 Conventions

Test scripts will be maintained electronically.

Artifacts generated to support test results will be included as appendices in the completed test script documents.

7. External References

Document	Accessible At
EDR Interface Use case V6	
Janus Production Deployment Diagram	JANUS G-Forge Website
Study Data Tabulation Model Dataset Validation Requirements	JANUS G-Forge (http)